

ABSTRACT (No Numbers)

A storage and dispensing apparatus designed to contain pre-measured amounts of a substance(s). The apparatus comprises at least one compartment, preferably at least two compartments, for storing the substance(s) that is partially enclosed by a frangible seal, an applicator or dispensing conduit, and an expandable chamber designed to accept and dissipate the hydraulic force created when pressure is applied to the at least one compartment rupturing the frangible seal, and expelling the substance(s) into the chamber. The applicator is attached to the chamber with an applicator bond area. The expandability of the chamber is conferred by expandability of the chamber walls and of the applicator, when present, and is varied in different embodiments by altering the ratio between the area of the applicator bond area and the area of the applicator. The frangible seal, in one of many embodiments, may be a chevron shape stress riser with a point of inflection oriented towards the compartment. A removable cap may cover the applicator or dispensing conduit.